

## AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning at **page 7, line 18**, with the following amended paragraph:

The cell -- into which is loaded the sample liquid to be subjected to photo-oxidized carbon content analysis -- comprises a rigid outer wall that encloses a continuous predetermined internal volume (*i.e.*, the cell's "intercellular" "intracellular" volume). To permit photo-oxidation of the loaded sample liquid, the rigid enclosing wall must be light-transmissive. In particular, the rigid outer wall must be sufficiently light-transmissive to allow the passage therethrough of photo-irradiation or an intensity sufficient for effecting the photo-oxidation of the loaded sample.

Please replace the paragraph beginning at **page 25, line 2** (*i.e.*, the Abstract), with the following amended paragraph:

The present invention provides a device useful in the photo-oxidation of a sample liquid and in the measurement of the oxidized carbon content thereof. The device ~~comprises~~ includes a cell, at least two elongate probes, and a temperature sensitive element. The cell ~~comprises~~ includes a rigid light-transmissive outer wall that encloses a continuous predetermined internal volume. The elongate probes -- providing collectively the ability to measure temperature and conductivity -- penetrate through the rigid outer wall and extend substantially into the cell's internal volume. At least one of the elongate probes is hollow at least partially along its length, the temperature sensitive element being positioned within this bore. A methodology involving the use of the device is also described.